



Safety Data Sheet (SDS)
CF-1050, Alumina Polishing Slurry
Bioanalytical Systems Inc. (BASi)

Section 1: Identification

Product Identifier: CF-1050
Polishing Alumina (0.05 µm)

Recommended Use: Abrasive for polishing

Manufacturer: Bioanalytical Systems Inc. (BASi)
2701 Kent Avenue
West Lafayette, IN 47906
Phone: 765-463-4527
Fax: 765-497-1102

Emergency Phone Number: 800-845-4246

Section 2: Hazard(s) Identification

Hazard Classification: According to GHS classification, this is not a hazardous substance.

Precautionary Statement: Wear appropriate eye personal protective equipment and avoid inhaling dust or spray.

Section 3: Composition/Information on Ingredients

Chemical Name: Aluminum Oxide

CAS#: 1344-28-1

Purity/Additives: >12% in water

Section 4: First-Aid Measures

Ingestion: Contact local Poison Control Center immediately for assistance. DO NOT induce vomiting! Drink large quantities of water or milk if available. Never attempt to induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air; if breathing becomes difficult call a physician. If not breathing, then give artificial respiration and notify the EMS.

Skin Contact: Remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation persists or systemic symptoms develop obtain emergency medical assistance. Wash contaminated clothing before reuse.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by holding eyelids open and obtain emergency medical assistance immediately.

Section 5: Fire-Fighting Measures

Flash Point: NA

Flammable Limits in Air: NA

<i>Autoignition Temperature:</i>	NA
<i>Extinguishing Media:</i>	Product is a non-combustible mixture. Use whatever is suitable for surrounding area. Water spray may be used to keep fire exposed containers cool.
<i>Special Firefighting Procedure:</i>	Wear self-contained breathing apparatus and protective clothing. Water may be used to flush spills away from exposure.
<i>Unusual Fire/Explosion Hazard:</i>	NA

Section 6: Accidental Release Measures

<i>Clean Up Procedure:</i>	Sweep up for disposal and wear a dust mask.
<i>Disposal:</i>	Dispose in sealed containers according to Federal, State, and Local regulations.
<i>Respiratory Protection:</i>	Use an OSHA approved respirator.
<i>Ventilation:</i>	A system of general or local exhaust is sufficient under normal laboratory conditions.
<i>Eye/Skin Protection:</i>	Safety glasses and a dust mask should be worn at all times. Protective clothing should be worn where skin irritation or other effects may occur.

Section 7: Handling and Storage

<i>Precautions for handling:</i>	Wear safety glasses and a dust mask.
<i>Recommendations for storage:</i>	Store product in a cool and dry place.

Section 8: Exposures Controls/Personal Protection

<i>Warning:</i>	To the best of our knowledge, the chemical, physical, and toxicological properties of this mixture have not been established.
<i>ACGIH Threshold Limit Value:</i>	10 mg/m ³ (dry aluminum oxide powder)
<i>OSHA PEL:</i>	15 mg/m ³ (dry aluminum oxide powder)

Section 9: Physical and Chemical Properties

<i>Appearance:</i>	White odorless suspension
<i>Formula:</i>	Al ₂ O ₃
<i>Formula Weight:</i>	101.96 g/mol
<i>Solubility:</i>	Insoluble in water, slightly soluble in alkaline aqueous solutions
<i>Boiling Point:</i>	2977 °C
<i>Melting Point:</i>	-2000 °C
<i>Vapor Pressure:</i>	1 mm Hg at 2158 °C
<i>Density:</i>	3.970 g/cm ³

Section 10: Stability and Reactivity

<i>Stability:</i>	Stable
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Incompatibilities: None known

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur

Decomposition Products: None known

Section 11: Toxicological Information

Exposure Routes: Inhalation, eyes, and skin contact.

Symptoms of Overexposure: Possible respiratory irritant; may irritate skin and eyes on contact due to trace amounts of acid residue

Effects of Overexposure: Possible lung damage from the inhalation of finely divided particles.

Section 16: Other Information

Date created: 2/6/1998

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